



SUSTAINABLE GROWTH
EMPOWER
DIGITAL TRANSFORMATION
CIRCULAR ECONOMY
EQUILIBRIUM
LOW CARBON TECHNOLOGIES
EQUAL OPPORTUNITY

ADAPTATION
INCLUSION
BIODIVERSITY
ENVIRONMENTAL PROTECTION
PRESERVE

ENERGY EFFICIENCY
TRANSPARENCY
DIVERSITY
HERITAGE
GENDER
RENEWABLE ENERGY

OPERATIONAL EXCELLENCE
INNOVATION
PARTNERSHIPS
PROGRESS

NATURAL RESOURCE CONSERVATION
WATER FOOTPRINT

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About the Report

Soda Sanayii A.Ş. has prepared this report on the performance of its sustainability strategy for the period of January 1, 2017 - December 31, 2017 and shares it with its stakeholders. This report has been prepared in accordance with the GRI Standards: Core option.

To be consistent with the consolidated data presented in Soda Sanayii A.Ş.'s financial reports, the economic indicators in the report cover all legal enterprises of the company in Turkey and abroad, while all the other indicators relating to environmental and social impacts cover the operations in Turkey.



Stakeholders' opinions, suggestions and complaints matter to Soda Sanayii A.Ş.!

To share your comments and suggestions on the report please contact:

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Message from the Chairman

Dear Stakeholders,

As a global, reputable, financially stable company with a transparent understanding of governance, Şişecam adopted the United Nations (UN) Sustainable Development Goals (SDG) and ratified UN Global Compact. It is my great pleasure to share with you our 2017 Sustainability Report that is not only aligned with the UN Sustainable Development Goals but also with the UN Global Compact's and Global Report Initiative (GRI) Standards reporting requirements.

The key global trends, which shapes our business are climate change, resource scarcity, digitalization, shift of economic powers and technological innovation. While striving to be a fair and transparent global player, we mainstream sustainability principles in all of our fields of operations to bring an equitable, viable and bearable future for generations to come.

Our sustainability pathway is built on the PRESERVE, EMPOWER and PROGRESS sustainability pillars through which we empower our employees and stakeholders by advocating and engaging in practices that encourage diversity and inclusion; progress through climate neutral 360 o circular economic model; and preserve natural resources that we rely on and our institutional heritage for resilient and sustainable generations to come.

With our sustainability approach, we support 11 out of 17 Global Goals of the 2030 United Nations Sustainable Development Agenda and in this context; the 2017 performances are highlighted below.

Through our PROGRESS approach we contributed to SDG 12 (Responsible Consumption and Production) while creating social and economic value in all geographies where we operate. In 2017, our Group produced 4.8 million tons of glass, 2.3 million tons of soda and 4.2 million tons of industrial raw materials. We increased our consolidated net sales by 32% compared to previous year to TRY 11.3 billion. The share of international sales in total revenues went up from 55% to 60% in one year. Our Group invested a total of TRY 1 billion in 2017. We strengthened our position in existing markets, pursued opportunities in alternative markets, worked for new initiatives in areas with high potential and undersigned new investments during the year. Şişecam Group conducts its business operations in parallel with a sustainable growth strategy focused on creating value. The Group crowned its efforts with a robust financial performance, recording TRY 3.1 billion in nominal EBITDA with an EBITDA margin of 27.6%, up 2.9 points in 2017.

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As a global player and international enabler, we empower our employees, local communities, vulnerable groups and supply chains to become an active advocate and solution partner to achieve jointly 2030 United Nations Sustainability Global Agenda through our innovative solutions, which is in line with our corporate sustainability strategy and targets.

Our contribution to SDG 7 (Affordable and Clean Energy) and SDG 13 (Climate Action), was through 397 thousands GJ energy saving, that corresponds to about 29 thousand tons carbon (CO₂ equivalent) through energy efficiency solutions such as: prevention of leakages, planning maintenance, improvement of burning systems, replacement of energy inefficient equipment's, installation of waste heat recovery systems and the installation of a 6.2 MW Solar Energy Plant on the roof of the Sisecam Flat Glass Mersin Plant of a 22 million TL value investment. Additionally, "Waste Heat Energy Power Generation Project" of Şişecam Flatglass Mersin Plant received the "ICCI Energy Prize" and the prize of "Energy Intensive Industries and Energy Efficiency Conference" organized by EnerCON-2017-Berlin.

Sisecam's Research and Technological Development Center is awarded by Ministry of Industry and Technology with the First Prize in the Intellectual Property Competence among 144 R&D Centers for their 2017 performance. Additionally, Sisecam continues to pave the way to implement the "Smart, Digital, Productivity" and "BT 2.0" strategy across all the operations. Furthermore, Sisecam Groups' web sites also received several awards based on the web site's updates. All these activities are key contributors to the SDG 9 (Industry, Innovation and Infrastructure).

Our commitment to PRESERVE natural resources, the "Glass and Glass Again Project" ongoing for 7 years, in 2017 ensured that 172 thousand tons of glass was prevented from going into the waste, that is equivalent of 7,200 households' annual energy savings, that adds value to SDG 12 (Responsible Consumption and Production)'s achievement.

We EMPOWER our employees, local communities, vulnerable groups and supply chain by establishment of Yenisehir Vocation and Technical Anatolian High school in Bursa of which the partnership protocol was signed between Sisecam, Bursa Governance, Regional National Education Directorate and Yenisehir Municipality. By ratifying UN Global Compact, we also committed to implement its 10 principles. These activities are also key contributors to SDG 10 (Reduced Inequalities) and SDG 17 (Partnerships for the Goals).

As a global player and international enabler, we empower our employees, local communities, vulnerable groups and supply chains to become an active advocate and solution partner to achieve jointly 2030 United Nations Sustainability Global Agenda through our innovative solutions, which is in line with our corporate sustainability strategy and targets.

I would like to thank all of our employees and stakeholders for their continuous support for our achievements and our efforts to become a full-fledged sustainable global company.

Prof. Dr. Ahmet Kirman
Chairman

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Message from Chemicals Group President

In 2017, as Şişecam Chemicals we were listed in the BIST Sustainability Index among other companies that demonstrate high sustainability performance.

Dear stakeholders,

As Soda Sanayii A.Ş., we left behind a year in which significant achievements were made by placing sustainability at the foundation of our corporate culture and all operations.

This year we have restructured our sustainability strategy in line with the United Nations Sustainable Development Goals and Şişecam Group Sustainability Strategy according to the principle of PRESERVE, EMPOWER and PROGRESS. In light of this strategy, I am delighted to present you, our esteemed partners, with our Sustainability Report prepared in accordance with the Global Reporting Initiative (GRI) Standards.

In spite of the ongoing political, economic and geopolitical uncertainties against the revival of global economy, we ended 2017 with a great performance. We produced 2.3 million tons of soda in production facilities located in Turkey, Bosnia-Herzegovina and Bulgaria, and succeeded in increasing our Turkish lira-based sales revenue by 23% in the soda sector compared to the previous year. At our cogeneration plant with 126 MW of electricity generation capacity, we produced approximately 2 million tons of steam, as well as achieving about 4 million GJ of electricity sales.

With the influence of the positive change in the markets and as a result of our market diversification efforts we strengthened our company's position in the chrome chemicals sector and achieved the targeted sales figures in all products.

Our energy efficiency projects have reduced our energy consumption by 2.2% compared to the previous reporting period, saving 86,000 GJ of energy and bringing about a cost saving of 1.3 million TL.

Operating in a sector where water use is intense, we realize water management in an efficient manner. We have achieved to reduce total water consumption by about 11% in the last two years with our applications for efficient use of water in steam generation and cooling processes. We use 2.44m³ of process water per ton of soda at the lower end of the BREF (Best Available Techniques Reference Doc.) values also approved by the ESAPA

(European Soda Ash Producers Association). In addition, we increased the amount of recycled water by 16% compared to 2015 by reusing 9% of the total amount of water we consume.

Besides training programs on occupational health and safety (OHS), we have also introduced a variety of projects and practices to disseminate the OHS culture among our employees and business partners. Accordingly, we informed our employees about the most common risks through the Toolbox Talks event.

We continue to internalize digitalization with our Research Technology Development projects by accelerating the activities regarding Industry 4.0. With the Soda_Web program, we can monitor all our processes online, while we aim to provide process innovation with Soda Process Simulation, which is still in its design stage.

This year, we furthered our endeavor to increase environmental and green awareness within the scope of our sustainability vision and strategic goals. We carried out coastal cleaning at the Mersin Kazanlı region known as the nesting area of sea turtles, where the plant of Soda Sanayii A.Ş. is also located. We made a contribution toward protecting the habitat of sea turtles and raising the participants' awareness regarding biodiversity thanks to the volunteer work conducted by our employees, their families and the students of Kazanlı High School.

Fully aware of our responsibilities as a global player in the soda and chromium chemicals sector, we will continue to make it a priority to develop innovative and environmentally friendly products by using environmentally friendly technologies.

I offer my sincerest gratitude to all our stakeholders and employees for their valuable contributions to creating a success story out of our sustainability vision.

Tahsin Burhan Ergene
Chemicals Group President



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About Soda Sanayii A.Ş.

Soda Sanayii A.Ş., which started manufacturing soda in 1975, one of the main raw materials of the glass industry, is the fourth largest soda producer in Europe and the tenth largest in the world. Today, Soda Sanayii A.Ş. continues its activities with Oxyvit Plant, which it took over in 2017, along with Soda and Kromsan Plants.

Soda Sanayii A.Ş. produces chemicals that are used as the main input in glass along with many products, from detergents to the chemical industry, from leather to pharmaceutical products. In producing these products Soda Sanayii A.Ş. continues to create value for society as an environmentally friendly company.

Having produced 2.3 million tons of soda in 2017 and made 78% of its total sales to foreign markets, Soda Sanayii A.Ş. strives to leave behind a livable world for future generations as it moves toward its goal of becoming a global leader. Accordingly, it carries out its operations with reduced environmental impact by founding its production activities on a sustainable basis. Adopting a responsible approach to production through natural resource management practices, Soda Sanayii A.Ş. is committed to becoming a global advocate of sustainability by reducing its impact on climate change.

Soda Sanayii A.Ş. employs a 1,600-strong workforce and is committed to the principle of diversity and inclusivity, continuing to create value for society as an environmentally friendly company through its sustainable and innovative business practices.

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STRATEGY

- Sustainable and profitable growth
- Strengthening its position among the leading players
- Geographical expansion
- Partnership approach and reliable solution provider for customers
- Creating synergies with acquisitions and strategic partnerships
- Supporting profitability with continuous cost reduction
- Improving the product portfolio with value added products

VALUES

Soda Sanayii A.Ş. is inspired by the Şişecam Group mission to add value to life through its high-quality products offering comfort and that respects people, environment and the law. Soda Sanayii A.Ş. aims to become one of the global companies in its competence areas, using new opportunities that create synergy with its existing operations and creates global solutions for its customers using environment-friendly technologies, based on the Group's vision of:



We derive strength from our traditions and support each other



We thrive and develop together



We display fair and transparent management approach



We care for our environment



We respect differences

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SODA SANAYİİ A.Ş. PRODUCTION PLANTS

TURKEY

Soda Factory - Mersin

Kromsan Chromium Compound Plant - Mersin

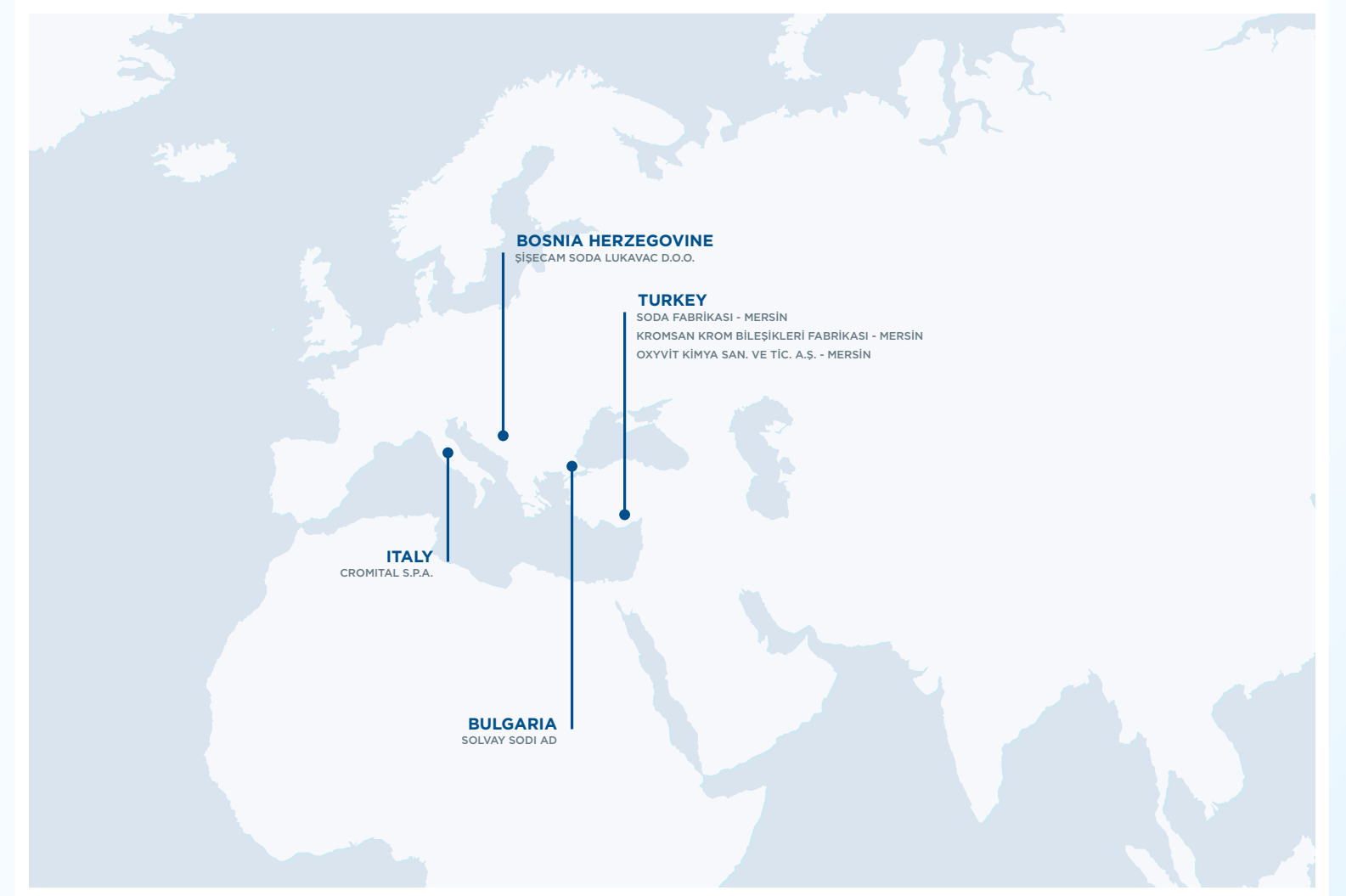
Oxyvit Kimya San. ve Tic. A.Ş. - Mersin

OVERSEAS OPERATIONS

Şişecam Soda Lukavac d.o.o. - Bosnia-Herzegovina

Solvay Sodi AD - Bulgaria

Cromital S.p.A. - Italy



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2017 Performance



Sales to **92** countries



International sales worth
1.9 Million TL



1,563 employees



Manufacturing in **4** countries
(Turkey, Bulgaria, Bosnia and
Herzegovina, Italy)



2.3 Million tons of soda
produced



Production capacity of
128,000 tons of basic
chromium sulphate



4th largest producer of soda
in Europe and **10th** largest in
the world



Global leader in the
production of chromium
chemicals



19% increase in total sales
within one year on a TL basis



86,000 GJ energy saving and
1.3 million TL worth of financial
savings



2 million tons of steam
generation and **4** million GJ
electric sales



Trading on the Istanbul Stock
Exchange 2017-October 2018
Sustainability Index



Growth with Soda Sanayii
A.Ş.'s acquisition of **Oxyvit
Kimya**

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Strategic Sustainability Approach

Soda Sanayii A.Ş. aims to be an international enabler by delivering long-term value for future generations with its Sustainability Strategy, whilst deriving its strength from the company’s historical heritage and ability to excel beyond traditional conventions.

Soda Sanayii A.Ş., which has a prominent role in Turkey, the European Union and the global markets, achieved a turnover worth 2.45 billion TL with sales in the main business lines of soda and chromium chemicals in 2017. One of the sectors with the highest need for energy and resources, glass manufacturing also has a history going back thousands of years with a rich social dimension. The Soda Production Facility’s products (light soda and heavy soda) stand out as an input that significantly reduces the energy consumption of furnaces used in glass production.

Soda Sanayii A.Ş. is committed to carrying out its responsibilities in the sector in the best way possible, to creating added value to achieve financial continuity, and to reducing its environmental impact and creating lasting value for its stakeholders.

Climate change, resource scarcity, the rise of social networks, digitalization, shift of economic powers and technological innovation are the major global trends that will impact on the company’s working processes in the future. While continuing its efforts to become one of the leading companies in all its areas of activity, Soda Sanayii A.Ş. commits to leave an equitable, viable and resilient world for future generations by placing emphasis on the social, environmental and economic implications of sustainability. To this end, we have mainstreamed sustainability principles in our corporate strategy and realigned our operations to add value to generations to come, while striving to become a fair and transparent global player. Our sustainable strategy and action plan also contributes to the universal call to action to end poverty, protect our planet and ensure the peace and prosperity of all people encompassed by 17 Global Goals of the United Nations 2030 Agenda for Sustainable Development.

As a global, reputable, and financially stable company with a transparent understanding of governance, Soda Sanayii A.Ş. has adopted the United Nations Sustainable Development Goals (SDG). Its way forward on the sustainability pathway is built on the sustainability pillars of **PRESERVE, EMPOWER** and **PROGRESS**. Soda Sanayii A.Ş. is committed to **EMPOWER** its employees, local communities, vulnerable groups and its supply chain by advocating practices that encourages diversity and inclusivity; **PROGRESS** through a climate neutral and 360° circular model and **PRESERVE** the environment and institutional heritage to ensure a sustainable future for next generation without frontiers.

- Soda Sanayii A.Ş.’s **PRESERVE** approach is to implement sustainable environmental and natural resource management practices with a special focus on water and land resources.
- The **EMPOWER** approach will lead to the integration of diversity and inclusiveness into daily practices both at corporate and operational level, whilst also fostering the advancement of digital intelligence and community inclusivity.
- The **PROGRESS** approach will accelerate the process of becoming an active player in the fight against climate change and implementing circular models into operations. The company’s medium and long-term vision is to establish an enabling environment as a champion of corporate heritage, to become an international enabler and advocate for sustainability, and to operate in a climate-neutral 360° circular model.



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CONTRIBUTION TO THE SUSTAINABLE DEVELOPMENT GOALS

With the shared opportunities, risks and goals of all humanity in mind, Soda Sanayii A.Ş. adopted the United Nations Sustainable Development Goals (SDG) which has driven the development of the Sustainability Strategy.

- Soda Sanayii A.Ş. PRESERVEs natural resources and institutional heritage for resilient and sustainable generations to come by engaging in and implementing conservational and restoration practices. In doing this, it also contributes to SDG 6 (Clean Water and Sanitation), SDG 14 (Life Below Water) and SDG 15 (Life on Land).
- The company EMPOWERs the company’s employees, local communities, vulnerable groups and supply chain to become an active player for sustainable solutions and international enabler by advocating and engaging in practices that encourages diversity and inclusiveness. Through this approach, it also contributes to SDG 5 (Gender Equality), SDG 8 (Decent Work and Economic Growth), SDG 10 (Reduced Inequalities) and SDG 17 (Partnerships for the Goals).
- The company is committed to PROGRESS through the climate-neutral 360o circular model, which includes but not limited to the sustainable use of energy, natural resources, digitalization and innovation, while encouraging and enabling the equal participation of women and vulnerable communities. This allows it to contribute to SDG 7 (Affordable and Clean Energy), SDG 9 (Industry, Innovation and Infrastructure), SDG 12 (Responsible Consumption and Production) and SDG 13 (Climate Action).

In addition to its commitment to the Sustainable Development Goals, its commitment to the UN Global Compact’s principles is in line with its aim to become an international enabler while sharing its established and specialized knowhow with global communities and driving economic, social and environmental sustainability.

SUSTAINABILITY GOALS

The sustainability goals and commitments specified by Soda Sanayii A.Ş. to efficiently and meaningfully implement its Sustainability Strategy have also been decided in line with the Sustainable Development Goals.

With short and long-term goals established for each of the three focus areas outlined in the sustainability strategy, Soda Sanayii A.Ş. contributes to Şişecam Group’s achievement of its goals by 2022. Soda Sanayii A.Ş. takes on responsibilities at every level in order to achieve its goals based on its current performance. Soda Sanayii A.Ş. keeps regular track of its performance, defines improvement areas, and continues its activity with the aim of achieving its goals.

PRESERVE

- By 2022, 5% of treated industrial wastewater reused
- By 2022, at least 4 industrial synergy programs developed
- By 2022, biodiversity and conservation practices with local communities’ engagement initiated in the company’s operational regions

EMPOWER

- By 2022, zero target for occupational accidents (LTIFR*)

PROGRESS

- By 2022, 12 MW energy provided through renewable energy sources

* Lost Time Injury Frequency Rate

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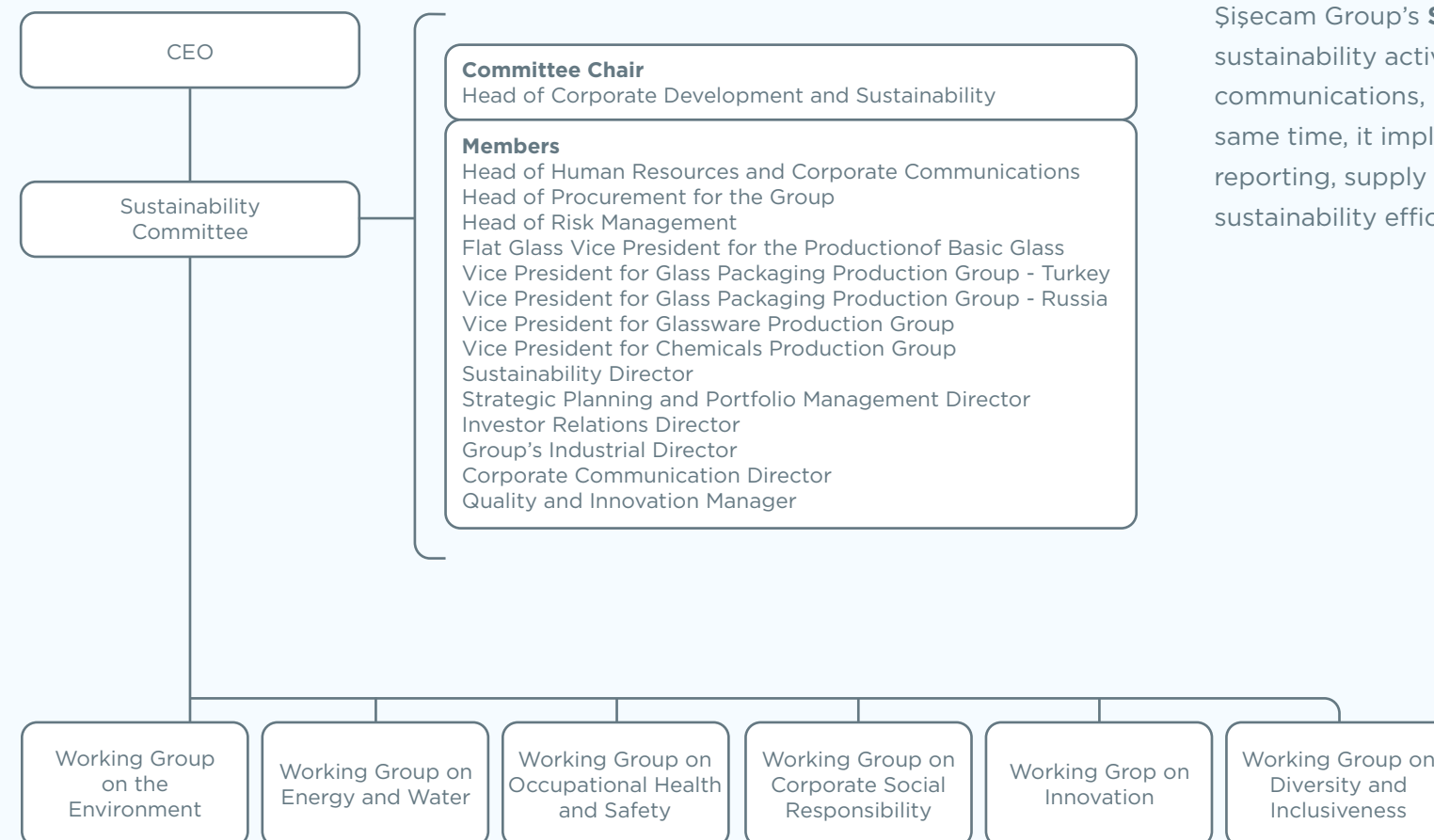
Sustainability Management

Şişecam Group's **Sustainability Committee** works toward increasing communication between working groups and companies within the Group, including Soda Sanayii A.Ş., on matters of sustainability and enables the implementation of joint projects that are able to generate synergy. Among the main issues dealt with by the committee are the integration of sustainability principles into the Group's processes, determining and implementing operational improvement activities, preparing and circulating the Corporate Sustainability Strategy, and coordinating, directing and supervising the activities of sub-working groups within the Sustainability Committee. Soda Sanayii A.Ş. The Deputy Chairman for the Production of Basic Glass is an active member of the Sustainability Committee and manages Soda Sanayii A.Ş.'s practices within Şişecam Group's Sustainability Strategy by representing Soda Sanayii A.Ş. in the Committee. In order to keep regular track of activities, the Committee has met four times this year and measured the performance of Soda Sanayii A.Ş. and other companies within the Group in terms of achieving their sustainability goals.

The **working groups** within the committee (Working Group on Environment, Working Group on Energy and Water, Working Group on Occupational Health and Safety, Working Group on Innovation, Working Group on Diversity and Inclusivity, Working Group on Corporate Social Responsibility) ensure that Şişecam Group's Sustainability Strategy and action plan are implemented directly. In order to integrate Soda Sanayii A.Ş.'s Sustainability Strategy into Soda Sanayii A.Ş.'s structure experts are employed within the working groups in the fields of the environment, energy and water, occupational health and safety, innovation, diversity and inclusivity, and corporate social responsibility.

Soda Sanayii A.Ş.'s sustainability team is responsible for detailing the Committee's general approach and standards in terms of sustainability for Soda Sanayii A.Ş. in particular and for implementing them while supporting the Sustainability Committee in its efforts to report to senior management about Soda Sanayii A.Ş.'s performance in terms of achieving its sustainability goals.

Şişecam Group's **Sustainability Directorate** focuses on coordination of corporate sustainability activities, connecting teams responsible for production, branding, communications, human resources, infrastructure, procurement and quality. At the same time, it implements innovative practices relating to corporate sustainability reporting, supply chain sustainability, sustainability education programs, measurement of sustainability efficiency, energy and natural resources management, etc.



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Managing Sustainability Risks

Soda Sanayii A.Ş. organizes its risk management and internal auditing activities within the structures of Şişecam Group and reports, in line with regulations, to the Boards at regular meetings.

Within the Şişecam Group, risk management activities are dealt with based on corporate risk management principles and a proactive approach.

The management of such sustainability risks as climate change, access to clean energy, natural resources, and occupational health and safety, is a part of the corporate governance model along with all the other risks.

Şişecam Group's Sustainability Committee constantly identifies and manages the types of risks relating to sustainability management, risk levels and proposed management responses, and especially the risks relating to efficiency of sustainability management.

Identified Risks and Proposed Management Responses Related to the Corporate Sustainability Strategy and Action Plan

RİSK TİPİ	DÜZEY	YÖNETİM YANITI
Barriers for effectiveness	Medium	Robust regular dialogues with key company stakeholders on sustainability challenges, including employees, investors, NGOs, suppliers and consumers
Governance & Stakeholders engagement	Low	Elevate sustainability in company governance, including direct board oversight and accountability over environmental and social issues, more diversity and special expertise on boards, and linking executive and other employee compensation to sustainability goals
Barrier for effective monitoring, reporting and verification	High	Open reporting on sustainability strategies, goals and accomplishments
Limited awareness along the value chain on sustainability	Medium	Systematic performance improvements to achieve environmental neutrality and other sustainability goals across the entire value chain, including operations, supply chains and products

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Corporate Management and Business Ethics

Şişecam Group's Code of Ethics – the most important guide for working responsibly – is in effect at Soda Sanayii A.Ş. Bringing together the essentials of strong corporate governance with sustainable practices and systems, Şişecam Group handles processes with the same dynamics at play in risk management.

TRANSPARENT AND INTEGRATED MANAGEMENT

A management based on transparency and accountability is one of the significant values which Soda Sanayii A.Ş. not only accepts in principle, but implements in its practices as an important determinant in its operations. All the practices in this framework are presented in a transparent manner for the consideration of stakeholders in the Corporate Governance Principles Compliance Report, prepared annually by Şişecam Group in accordance with the relevant Capital Markets Board regulations.

Şişecam Group constantly and dynamically manages all the relevant processes with an emphasis on corporate management principles. As a result of the management practices shaped by this approach, Şişecam Group's Corporate Governance Rating rose from 94.4 in 2016 to 94.8 in 2017.



The Corporate Governance Principles Compliance Report is accessible on the website of Şişecam Group, in the Investor Relations section.

BUSINESS ETHICS

Soda Sanayii A.Ş.'s guide for working responsibly is Şişecam Group's Code of Ethics and is updated continuously based on needs and adopts the principles of integrity, transparency, confidentiality, impartiality and compliance with the law, the Code acts as a guide regulating the relations between Soda Sanayii A.Ş. employees and its customers, suppliers, shareholders and other stakeholders.

The Ethics Board works under Corporate Governance Committee to ensure compliance with the Code of Ethics. The Board's responsibilities cover making assessments of

practices compliant with the Code of Ethics, ensuring adoption of an ethics culture within the Group at large and raising awareness in this context.

The structure of corporate management practices allows the concerns shared mainly by employees and stakeholders regarding the operations which are not in compliance with the law or the Code of Ethics to be conveyed to the management. Employees can report operations that do not comply with regulations or the Code of Ethics to the Inspection Committee and to the Internal Audit Unit. An Ethics Hotline has been launched to allow stakeholders to report their concerns to the Inspection Committee regarding operations which are thought to contradict laws or the company's ethical values. Complaints can also be made via e-mail to etik@sisecam.com.



More information on the Code of Ethics is accessible on the corporate website of Şişecam Group, in the Corporate Identity and Management tab under Investor Relations.

ANTI-CORRUPTION

Soda Sanayii A.Ş. has adopted Şişecam Group's Anti-Bribery and Corruption Policy to clearly state its commitment and approach to combating bribery and corruption, as well as to protect the company's reputation. A complementary part of Şişecam Group's Code of Ethics, this policy is aimed at providing the necessary information to combat bribery and corruption in all of the Group's activities, as well as determining rules and responsibilities in this regard.



More information on anti-corruption is accessible on the corporate website of Şişecam Group, in the Corporate Identity and Management tab under Investor Relations.

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MANAGING SUSTAINABILITY RISKS

CORPORATE MANAGEMENT AND BUSINESS ETHICS

STRATEGIC PRIORITIES

STAKEHOLDER DIALOGUE

Strategic Priorities

The aim of Soda Sanayii A.Ş. in preparing this report is to create value for its stakeholders, for Şişecam Group and for society at large, and its focus has been directed toward these areas. The highlighted areas of the sustainability strategy constitute our material issues.

Global trends, international reports concerning sectors and a perspective that takes into account the country's agenda are considered while identifying strategic priorities. **Soda Sanayii A.Ş.'s Material Issues** are then established subsequently by the management and Sustainability Committee with Şişecam Group's and Soda Sanayii A.Ş.'s strategic priorities in mind. In addition to sustainability risks and opportunities, the impact of possible legislative regulations is considered.

Soda Sanayii A.Ş.'s internal and external stakeholders are also involved in this process. As part of this, Soda Sanayii A.Ş. participated in the 1st International Sustainability Workshop to more effectively receive the opinions of employees, as well as to contribute to the development of goals specified in the Sustainability Strategy.



International Sustainability Workshop

The “Toward an Interdisciplinary, Interactive and Creative Şişecam” themed workshop was organized in order to come up with creative and participatory solutions and practical ideas to organize operations easily and effectively to make a Sustainable Şişecam Society a reality based on Şişecam Group’s 3 main sustainability principles (PRESERVE, EMPOWER, PROGRESS). The workshop program covered the relevant issues of the environment, energy and water, diversity and inclusivity, and innovation in relation to the work groups operating under the Sustainability Committee.

A total of 153 people from the Şişecam Headquarters and domestic and overseas factories, 40% female and 60% male, took part in the workshop. Participants from Bulgaria and Russia also joined the workshop via video-conferencing. The workshop presentations were shared with the facilities in all countries where Şişecam operates.

ABOUT THE REPORT

MESSAGE FROM THE CHAIRMAN

MESSAGE FROM CHEMICALS GROUP PRESIDENT

ABOUT SODA SANAYII A.Ş.

2017 PERFORMANCE

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STAKEHOLDER DIALOGUE

Stakeholder Dialogue

Soda Sanayii A.Ş. sees productive dialogue with its stakeholders as an integral part of its operations while continuously developing its Sustainability Strategy and its performance. Aware of the value created by a diversity of ideas, the company integrates stakeholder expectations into decision-making processes at regular intervals through mutual communication channels. In this context, the company is continuing its dialogue with stakeholders on different platforms and at intervals required by the state of affairs.

Soda Sanayii A.Ş.'s performance with regards to the set sustainability priorities is regularly shared with stakeholders in the form of sustainability reports. The feedback obtained is one of the most important tools used to advance Soda Sanayii A.Ş.'s Sustainability Strategy and its performance.

CORPORATE MEMBERSHIPS
Union of Mediterranean Exporters
European Soda Ash Producers Association
Mersin Chamber of Commerce and Industry
Turkish Quality Association
Turkey Chemical Manufacturers Association
International Chromium Development Association

MAIN STAKEHOLDER GROUPS AND COMMUNICATION PLATFORMS		
Stakeholder Group	Communication Method	Frequency of Communication
Analysts	<ul style="list-style-type: none"> Daily work flow Face-to-face negotiations E-mail correspondence 	Regularly as part of the workflow or when necessary
Employees	<ul style="list-style-type: none"> Satisfaction surveys Platforms for sharing recommendations and opinions Face-to-face interviews based on direct feedback Seniority Encouragement Award A rewards system based on acknowledgement and appreciation 	At varying frequencies depending on the engagement type
Shareholders	<ul style="list-style-type: none"> Briefing reports published periodically (e.g. Annual Activity Report, CDP reporting, revenue and interim activity reports) Social media 	4 times a year
Analysts	<ul style="list-style-type: none"> Face-to-face meetings Phone calls 	Continuously
	<ul style="list-style-type: none"> Analyst Day 	Once in a year
Investors	<ul style="list-style-type: none"> Presentations on investor relations Bulletins 	4 times a year
	<ul style="list-style-type: none"> Webcast tele-conferences 	Twice a year
	<ul style="list-style-type: none"> Roadshows Personal meetings/interviews Conferences 	Once a month
Universities	<ul style="list-style-type: none"> Conferences Active participation in joint operations (projects, supplying grants, etc.) Internship programs 	Continuously
State Institutions	<ul style="list-style-type: none"> Regular reporting Meetings, forums and conferences Press statements Personal meetings 	At least once a year
Customers	<ul style="list-style-type: none"> Satisfaction surveys 	Once every two years
	<ul style="list-style-type: none"> Face-to-face meetings, forums and conferences Feedback received via telephone calls and e-mails 	Continuously
Non-Governmental Organizations (National and International)	<ul style="list-style-type: none"> Strategic cooperation Institutions Meetings 	At varying frequencies depending on the initiative type



PRESERVE

NATURAL RESOURCE MANAGEMENT

PRESERVE

Şişecam PRESERVEs natural resources that it relies on and its institutional heritage for resilient and sustainable generations to come by engaging in and implementing conservational and restoration practices.

The PRESERVE approach, developed in response to the global agenda, allows Soda Sanayii A.Ş. to implement sustainable environmental and natural resource management practices with a special focus on water and land resources.

Focusing on the efficient use of resources in processes, waste is reduced at its source, effective water management practices are implemented, and products with reduced environmental impact are designed. While ensuring continuous improvement of its environmental sustainability performance in accordance with its strategic approach, Soda Sanayii A.Ş. also achieves significant reduction in its operational costs.

By achieving its own goals within the scope of its PRESERVE approach, Soda Sanayii A.Ş. contributes to Şişecam Group's goals for 2022 listed below:



By 2022, 5% of treated industrial wastewater reused



By 2022, at least 4 industrial synergy programs developed



By 2022, biodiversity and conservation practices with local communities' engagement initiated in the company's operational regions

ENVIRONMENTAL MANAGEMENT SYSTEM

Aware of its responsibilities as a company working in the chemical sector, Soda Sanayii A.Ş. manages its activities according to international standards in order to minimize the environmental impact. In this context, it carries out environmental management activities according to the standards of ISO 14001 Environmental Management System established by Soda Sanayii A.Ş. Our company is certified with the TS-EN-ISO 50001 Energy Management System and we decrease energy costs through planned and sustainable ENERGY MANAGEMENT activities conducted by our Energy Committee, consisting of energy unit supervisors from different disciplines, including certified energy managers.

The company manages its operations in accordance with the environmental, health and safety management systems under the Commitment of Trilateral Responsibility, which is a voluntary practice unique to the chemical industry carried out by the Turkey Chemical Industries Association.

With the Lean Transformation Program launched in 2016, the company continues to raise its level of lean growth in all processes, such as efficient production, quality, delivery speed and cost.

Through awareness studies, which are part of its energy and environmental management approach, training programs are organized to create environmental awareness among employees and business partners. As part of this work, 662 employees have been given 331 person-hours of environmental training.

In 2017, Soda Sanayii A.Ş. was not fined with reference to any environmental issues.



Soda Sanayii A.Ş., kimya sektöründe çalışmanın getirdiği sorumlulukla, çevresel etkisini en aza indirmek için faaliyetlerini uluslararası standartlarda yönetmektedir.

QUALITY MANAGEMENT SYSTEM AND PRODUCT SAFETY

Soda Sanayii A.Ş. aims to meet customer needs in the best way by keeping quality and product safety management at the highest level. In order to do this, the quality system is managed by the ISO 9001 Quality Management System, which is present in all facilities.

All of Soda Sanayii A.Ş.' factories have the ISO 9001 Quality Management System and the ISO 14001 Environmental Management System certificates. The refined bicarbonate products produced at the Soda Facility, as well as products produced at the Oxyvit Plant all have the necessary registration documents, FDA documentation, and halal and kosher certificates from the relevant ministry. The Refined Bicarbonate products produced at the Soda Facility also have ISO 22000 and FSSC Food Safety Management System certification and GMP + Process certificates. Oxyvit Kimya stands out from other companies thanks to its FAMI-QS Certificate for animal feed and additives. Moreover, the Classification Labeling and Packaging (CLP/SEA) Regulations are observed for all products.

In order to increase the efficiency of the management systems, the QDMS (Quality Document Management System) infrastructure was established and a live management system was introduced. The documents of our management systems are integrated into the QDMS and all system applications are managed in an integrated manner.

	ISO 9001	ISO 14001	OHSAS 18001	ISO 27001	ISO 50001	ISO 22000	FSSC	HELAL	FDA	FAMIQS	KOSHER
Soda Sanayii A.Ş. Soda Factory	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Soda Sanayii A.Ş. Kromsan Factory	✓	✓	✓	✓	✓		✓				
Oxyvit Kimya San. A.Ş.	✓	✓	✓	✓	✓			✓	✓	✓	✓

- ISO 50001: Energy Management System
- ISO 14001: Environmental Management System
- OHSAS 18001: Occupational Health and Safety Management System
- ISO 9001: Quality Management System
- ISO 22000: Food Safety Management System
- ISO 10002: Customer Satisfaction Management System Food Safety Management System for Bicarbonate Products

REACH

As a company that exports significant amounts of both soda and chromium products, Soda Sanayii A.Ş. applies European Union standards and continues to fulfill all obligations of the REACH Regulation (Registration, Evaluation, Approval and Restriction of Chemicals). Accordingly, in 2017 the REACH registration of chromium hydroxide nitrate was completed in the 10-100 tons/year band and an application was made for an update to the 100-1000 tons/year tonnage band. The process is expected to be completed in 2018.

For chromium chloride and chromium nitrate products where Soda Sanayii A.Ş. is the "Leading Registrant", access letters were sold and new companies were added to the registration files. It is anticipated that the REACH authorization period for the chromic acid product will be finalized in 2018. Work is already underway for the registration of our chromic acid product under the scope of Korean REACH.

Soda Sanayii A.Ş. continues to fulfill all the requirements by participating in workshops and training programs organized under the REACH regulation that came into effect in Turkey in December 2017.

In addition, Kromsan products, packaging and labels were updated in the framework of the CLP Regulation in cooperation with the relevant departments.

To revise the Safety Data Sheet in accordance with Turkish and European legislation and ensure its translation into all European languages, research was done for an appropriate software program and an agreement was made with a company meeting Soda Sanayii A.Ş.'s requirements to initiate the purchasing process. The process is expected to be completed in 2018.

Natural Resource Management

The strain placed on natural resources due to population growth is making the development of sustainable practices in the use of water and other natural resources a necessity. Soda Sanayii A.Ş. is committed to preserving natural resources to leave behind a resilient and sustainable world for future generations in keeping with Target 9 “Industry, Innovation & Infrastructure”, and Target 12 “Responsible Consumption and Production”, which are among the United Nation’s Sustainable Development Goals. It integrates this mentality into all its business processes and strengthens its performance in this area through sustainable environmental and natural resource management practices.

WASTE MANAGEMENT

Understanding that waste management plays an important role in making sustainable production and consumption habits more widespread and in the transition to a cyclical economy, Soda Sanayii A.Ş. aims to reduce the use of natural resources by recycling and reusing waste in all of its activities.

Soda Sanayii A.Ş. is a close follower of digitalization processes for efficient waste management. The Continuous Wastewater Monitoring System (SAIS) established under the legal obligations of Soda Plant regularly monitors waste water quantity and analysis and provides data to the online system of the Ministry of Environment and Urban Planning.

This year, approximately 3,500 tons of waste from materials such as paper, cardboard, plastic, glass and metal were recycled under activities related to waste management.

Soda Sanayii A.Ş. also attaches importance to the concept of the adoption of waste management in its overseas factories and its implementation. As a result of this approach, this year the Lukavac plant in Bosnia and Herzegovina reduced its amount of metal waste by 15% and there was a 19% of decrease in the amount of waste sent to the municipality.

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This year, approximately **3,500 tons** of waste from materials such as paper, cardboard, plastic, glass and metal were recycled under activities related to waste management.

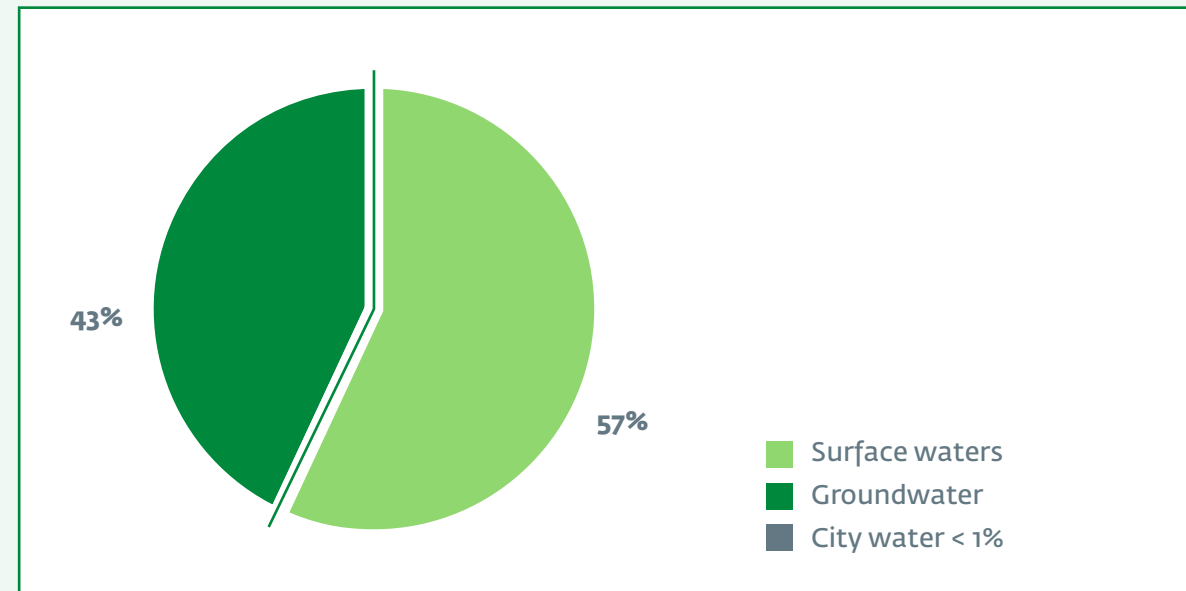
NATURAL RESOURCE MANAGEMENT

WATER MANAGEMENT

Water management is among Soda Sanayii A.Ş.'s focus areas within the scope of its PRESERVE approach. Soda Sanayii A.Ş. aspires to manage its water footprint and reduce water consumption by promoting more efficient use of water.

Soda Sanayii A.Ş. operates in a sector where water use is intense, and acts accordingly. It develops projects to effectively manage the water used in steam generation and cooling processes.

Water use by source



In addition to the improvement works carried out since 2015, approximately 71,000m³ of water and about 180,000 TL of financial savings were realized in 2017 thanks to the cooling towers renewal project for water and energy efficiency. In parallel with this, the amount of cooling water consumed for the production of one ton of soda was reduced compared to the previous year.



The amount of cooling water consumed per ton of soda, which was 16.65m³ last year, was further reduced to 15.5m³ this year.

Soda Sanayii A.Ş. uses 2.44m³ of process water per ton of soda at the lower end of the BREF (Best Available Techniques Reference Doc.) values also approved by the ESAPA (European Soda Ash Producers Association).

The recycling of water and its re-use in production activities constitutes an important part of Soda Sanayii A.Ş.'s natural resource management approach. The amount of water recovered increased by about 16% over the last two years thanks to efficient water management practices. This year, by reusing about 2 million tons of water, about 9% of the total amount of water consumed has been recovered. In the last two years, our total water use has been reduced by approximately 11% and waste water volume by 27% with projects carried out to manage water footprint at Soda Sanayii A.Ş.

As a world first, the industrial waste water treatment plant, which is a pioneering innovation in the soda ash production sector, was established at the Soda Plant. Soda Sanayii A.Ş. works to effectively manage its water footprint and achieve its water saving goals through systems that are inspired by its PRESERVE approach and will be passed onto future generations.

BIODIVERSITY

In line with Goal 15 of the United Nations Sustainable Development Goals to “protect, restore and promote the sustainable use of terrestrial ecosystems,” biodiversity protection and management constitutes an integral part of Soda Sanayii A.Ş.'s vision for sustainability and its strategic goals.

Soda Sanayii A.Ş. is fully aware that its production processes depend on nature. For this reason, it attaches great importance to the conservation of biodiversity through its projects aimed at protecting natural diversity, taking into account the environmental impact of its activities. Soda Sanayii A.Ş. also contributes to the realization of its sustainable development targets through its activities.

Accordingly, it carries out conservation and afforestation activities to increase the value of biodiversity in the areas where it operates. The shoreline in the region of Mersin Kazanlı, where Soda Sanayii A.Ş.' factories are located, is the nesting zone of endangered sea turtles. This year, like in previous years, Soda Sanayii A.Ş.' employees, their families, and students from Kazanlı High School participated in a beach clean-up event before the breeding season to help raise public awareness and protect the natural habitat of sea turtles.

Soda Sanayii A.Ş. repeated its sapling planting activity, another biodiversity project that is carries out every year. Over the past 12 years, a total of 40,000 saplings have been planted in order to contribute to biodiversity.



EMPOWER

ÇEVRE SİK&KARSA SİCİLİK
SÜRDÜRÜLEBİLİRLİK ALTERNATİONASLARABER
TÖER SİKERESAVNİACULLUK
DIGITAL İNTELİDĞE NCE EŞNECCENTORALUM

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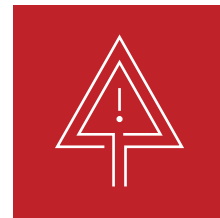
EMPOWER

Soda Sanayii A.Ş. EMPOWERs its employees, local communities, vulnerable groups and supply chain to become active players in sustainable solutions and international enabler by advocating and engaging in practices that encourage diversity and inclusivity.

Soda Sanayii A.Ş.'s EMPOWER approach will lead to the integration of diversity and inclusivity into daily practices both at corporate and operational level, while also fostering the advancement of digital intelligence and community.

Soda Sanayii A.Ş. empowers its employees, local communities, vulnerable groups and supply chain to become active players in sustainable solutions by advocating and implementing practices that encourage diversity and inclusivity.

While achieving its own goals within the scope of its EMPOWER approach, it contributes to Şişecam Group's goal for 2022 listed below:



By 2022, zero target for occupational accidents (LTIFR*)

* Lost time injury frequency rates

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THE WORKING ENVIRONMENT AT SODA SANAYİİ A.Ş.

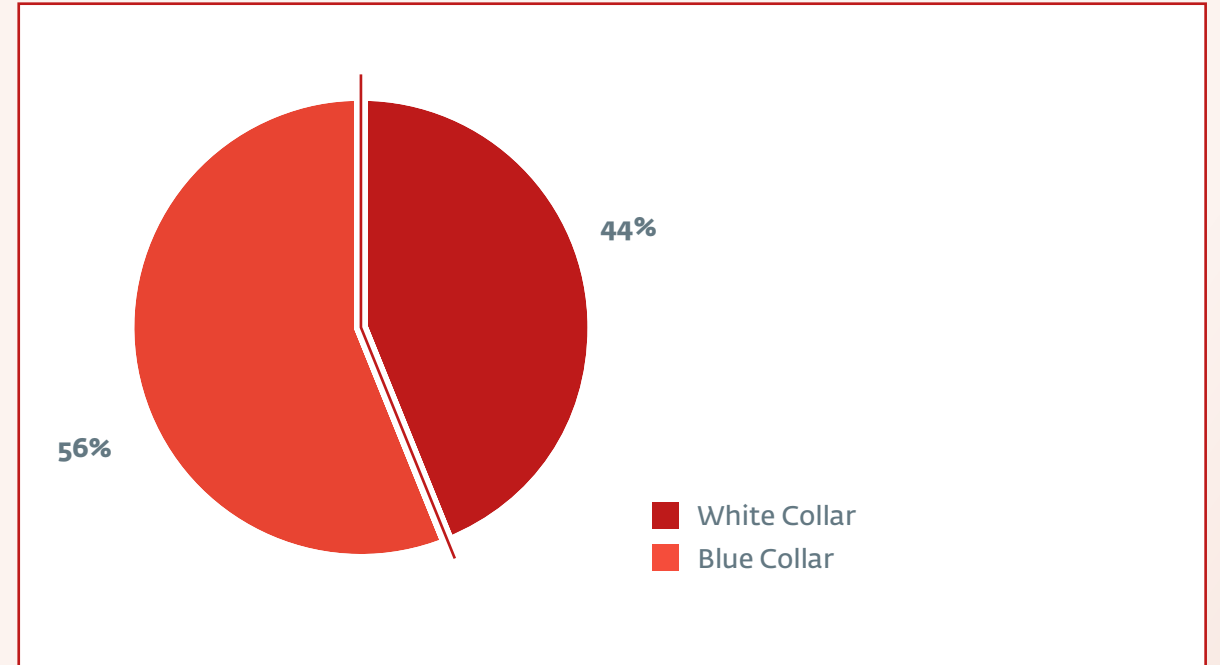
The most decisive factor in Soda Sanayii A.Ş.' achievements is its employees. Soda Sanayii A.Ş provides its employees with a fair and enjoyable work environment in which all employee rights are given in compliance with national and international standards, without any discrimination. In this framework, we establish industry relations focused on competitiveness and productivity as required by today's working conditions, creating a culture of occupational health and safety that is in keeping with Soda Sanayii A.Ş.'s corporate values.

In the Turkish facilities, 44% of the 960 employees are white collar and 56% are blue collar. The company promotes an innovative and co-operative corporate culture for sustainable global success, and implements the best human resources practices in areas where it operates, pursuing a human resources policy that adds value to all stakeholders.



Şişecam Group's Human Resources Policy, developed in line with its focal points such as becoming global, ensuring equal opportunities, inclusivity, objectivity and continuous improvement, is translated into the languages spoken in the countries where it is active, and then shared through the corporate communications portal.

Distribution of Employees by Category



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Diversity & Inclusivity

Innovative and productive societies flourish only in those environments where there is diversity and equal opportunities. Soda Sanayii A.Ş. aspires to strengthen and preserve the diversity and cultural heritage of global human resources for generations to come. It bases all its operations on inclusivity and equality of opportunity.

With the “Empower” principle of Şişecam’s Sustainability Strategy, Soda Sanayii A.Ş. is putting forth a strong management approach that focuses on strengthening all stakeholders, especially women. It intends to empower its employees and stakeholders through the implementation of practices that promote diversity and inclusivity in connection with the United Nations Sustainable Development Goal 5 on Gender Equality and Goal 10 on Reducing Inequality.



One of the biggest issues regarding discrimination that business world faces today is the women employment. Şişecam support women’s employment and encourage women employees to take part in the top management bodies.

With the establishment of the Working Group on Diversity and Inclusivity under the Sustainability Committee, Soda Sanayii A.Ş. has begun planning the required activities with the contributions of internal and external stakeholders. In this context, proposals for action were prepared by the working group on Enhancing and Facilitating Women’s Working Conditions, Supporting Women’s Participation in the Workforce and Supporting their Career Development, and Raising Awareness and Cooperation with Stakeholders.

Soda Sanayii A.Ş. carries out the management of employee wages, perks, career paths and performance without discrimination in terms of gender, religion, language, or race. No discrimination is made between employees with a similar set of skills and job experience. There have been no discrimination cases or complaints brought against Soda Sanayii A.Ş.

One of the biggest problems the business world has to tackle regarding discrimination is the issue of women’s employment. Soda Sanayii A.Ş. supports the employment of women in general and in positions of management. Ten percent of Soda Sanayii A.Ş.’ Board of Directors is made up of women. In 2016, the percentage of newly hired female employees made up 4% of the total workforce, and this ratio increased to 11% in 2017.

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EMPLOYEE RIGHTS

Soda Sanayii A.Ş. protects the fundamental rights and liberties of its employees, applying competitive wage and side benefit strategies that reward stable high performance.

Human resources programs that support a work and life balance for employees are put into place.

Flexible working opportunities are created for the employees on the basis of a diverse workforce with different expectations and needs, and flexible working hours, flexible side benefits and social activities are offered.

All Soda Sanayii A.Ş. employees can choose to be included in the Private Pension Scheme supported by employer contributions according to the provisions of the Private Pension System (PPS) Regulation. White-collar employees can join the Private Pension Scheme supported by employer contributions after six months at the company. Two-hundred and twenty-five employees (204 at the Soda and Chrome Facilities and 21 at Oxyvit Kimya) benefitted from Soda Sanayii A.Ş.' Private Pension Scheme this year.

At Soda Sanayii A.Ş. the protection of workers' trade union rights is a top priority issue. Strong emphasis is placed on enabling employees to be fairly represented within the framework of a healthy structure in their relations with company management and to freely exercise their collective bargaining and organization rights. Trade union relations are managed under the coordination of the Industrial Relations Directorate within the Group. All blue collar employees with the exception of five are included in the collective bargaining agreement.

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Flexible working opportunities are created for the employees on the basis of a diverse workforce with different expectations and needs, and flexible working hours, flexible side benefits and social activities are offered.

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SAFE WORKING ENVIRONMENT

Sustainable success is only possible with the presence of a well-established OHS culture. Soda Sanayii A.Ş. carries out all stages of its activities in a healthy and safe working environment.

The OHS activities carried out by Soda Sanayii A.Ş. are carried out in cooperation with the Şişecam Group Industrial Relations Directorate. The health and safety of the employees is managed by the OHSAS 18001 OHS Management System, which is in place in all facilities. Accordingly, all domestic Soda Sanayii A.Ş. factories operating in different areas undergo cross-inspections by teams of OHS experts. Soda Sanayii A.Ş. also has its own OHS unit consisting of a job security specialist, workplace physician and health personnel, and an **OHS committee** in each factory with a representative from the management. OHS audits are carried out by managers, chiefs and engineers. During the audits, experts monitor how a job is carried out and the dangers and risks are compared with the measures taken to check whether the job is done safely or not.

Work is still being conducted to internalize the OHS culture. This year, the **OHS Ambassadors** project and the relevant studies were evaluated and good practices have been shared. Public information films about the effects of serious accidents in factories and Guidelines for Working Safely at a Height were made available to all employees in the country. In addition, OHS leadership training was given to managers involved in the production stages to help promote the concept of leadership, a prominent factor in the development of the OHS culture.

Soda Sanayii A.Ş. works to fulfill its target of performing every stage of its production activities mentioned in its OHS Policy in a healthy and safe working environment and gives its employees OHS training with this in mind. Approximately 58% of all training provided to employees is about OHS. In addition to the OHS training sessions organized each year, 906 person-hours of OHS training sessions were held this year. Besides this, contractors are given two hours of OSH training before they start work to ensure they comply with the security standards set by Soda Sanayii A.Ş. These training sessions are repeated every six months.

While no fatal accidents or occupational diseases have been reported in Soda Sanayii A.Ş.' factories, the number of accidents has been reduced by 37% compared to 2016 as a result of the improvements made. Accordingly, the frequency rate of accidents decreased by 38% and lost working days decreased by 13% compared to 2016.

Soda Sanayii A.Ş. aims to provide its employees with a healthy and safe work environment through constant improvements made. Within this scope, the Method for Doing Business practice was initiated during the year for project-based works. With this new system, the precautions to be taken for each step and the appropriateness of the tools to be used are checked before starting work. A **Lifting Plan** was prepared for heavy tonnage lifting operations, making it obligatory for people with the relevant certificates to be present on-site during these periods. In addition, employees are informed about the most common risks through **Toolbox Talks**.

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EMPLOYEE WELLBEING

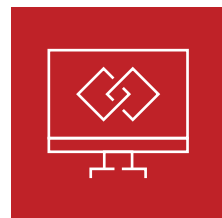
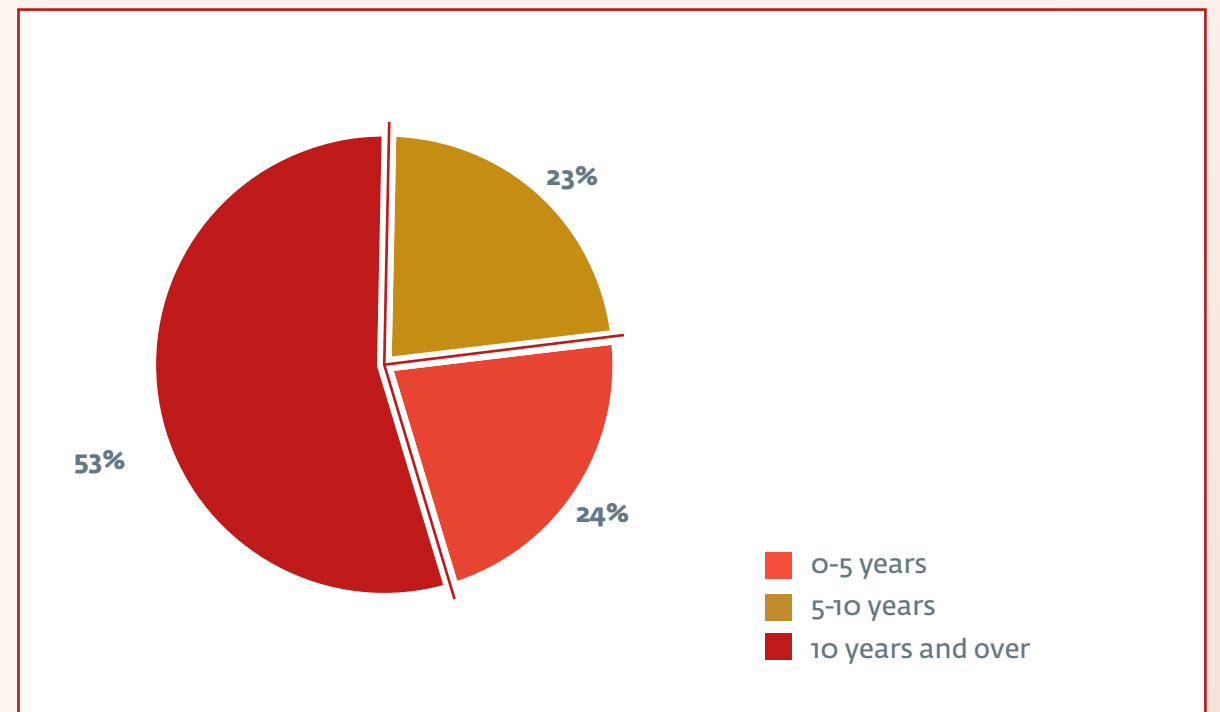
Soda Sanayii A.Ş. provides a healthy, safe and environmentally friendly working environment by constantly improving employee loyalty, job satisfaction and cultivating a positive business climate.

The 3rd Employee Loyalty Survey, intended to measure the employee commitment and to introduce the improvement activities by taking advantage of the results, was conducted in order to create an appropriate working environment for employees. For the first time this year, white collar employees as well as blue collar employees in domestic factories and operations were included in the survey. In addition to the Employee Loyalty Survey, the Corporate Reputation Survey was also conducted for white collar employees. The participation rate in the Employee Loyalty Survey held by the Şişecam Group to cover the entire Group rose to 81% this year from 77% in 2015. The participation rate in the Corporate Reputation Survey exclusively prepared for white collar employees was 77%. Soda Sanayii A.Ş. also put into place a feedback and complaint mechanism to protect employees' rights. No negative feedback or complaints were received from employees this year.

Soda Sanayii A.Ş. believes that long-term employees have an important place in the company's long-term operation and success. For this reason, it creates a business environment that enables employees to contribute to work processes and offers them career and development opportunities. More than half of the employees at Soda Sanayii A.Ş. have been with company for more than 10 years and the company's total employee turnover rate is 4.8%. This year, 98% of all the 81 employees who took parental leave later resumed work.

Soda Sanayii A.Ş. is introducing a variety of systems and projects in order to create a participatory corporate culture in which employees can participate in company decision-making mechanisms, exchange ideas and suggestions, communicate effectively and learn about new developments within the Şişecam Group and Soda Sanayii A.Ş.

Headcount (by Number of Years in Employment)



Camport- Thanks to its corporate intranet system, which is user-friendly, easily accessible and interactive, flowless communication is provided within Soda Sanayii A.Ş.



The Idea Factory enables the assessment and rewarding of creative ideas that add value to Soda Sanayii A.Ş., increase productivity, embrace innovation and promote an open corporate culture.

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TALENT AND CAREER MANAGEMENT

In line with its mission to become a favorite employer Soda Sanayii A.Ş. pursues an objective, systematic and development-focused approach in all of its human resources processes from recruitment to career management, from education and development to performance management. It designs training programs to support the professional and individual development of its employees. It also provides regular performance assessments, career management and development opportunities for all its employees to enhance their competencies and provide new opportunities in different areas.

Within the Career Management System, which is an important program for retaining highly-skilled employees, organizational and personal needs are planned and all of our employees are offered the opportunity to progress in their careers. White and blue collar employees can participate in work carried out by the Assessment and Development Center through which competency analyses are conducted and development plans are created. Soda Sanayii A.Ş. contributes to the development of its employees on issues ranging from education and the environment to social skills and leadership, besides technical issues such as occupational development and OHS to enable its employees to embrace its sustainability targets. In 2017, the average amount of annual training provided to each employee was 12.2 hours.

In 2017, **Şişecam Academy** continued to offer its employees placements in schools and training programs related to their career pathways and needs in the areas of technical/professional development, personal development, institutional development and leadership through its unique development solutions. The Academy offers employees the opportunity to take part in both domestic and international conferences, seminars and summits on various topics, receive foreign language support and pursue MA degrees with a certain amount of support from the company. The Orientation Program was restructured by the Şişecam Academy in 2017 in order to increase the adaptation and contribution of new employees, to promote the corporate culture and to create experience sharing platforms.

The **English Language Development Program** was designed by Soda Sanayii A.Ş in keeping with its global adaptation strategy to ensure that employees develop their English language proficiency.

This year, Soda Sanayii A.Ş. employees also joined the Glass Production Simulation prepared by Şişecam Group for the purpose of providing them with basic information about glass production. The three employees achieving the highest score using the Glass Production Simulation, enriched by tasks, points, competition and problem-solving, were given awards.

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FOSTER SUSTAINABILITY**

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International Enabler to Foster Sustainability

As a global company, Soda Sanayii A.Ş. undertakes pioneering responsibilities in the sector and its domain of influence.

In the medium and the long term, it aims to strengthen its position as an international supporter and advocate for sustainability by becoming a role model through its innovative practices, while at the same time turning its employees, local communities, vulnerable groups and its supply chain into advocates for this issue.

On the other hand, it attaches great importance to cooperation in order to create a scale effect in its domain of influence and to bring into play innovative solutions through common sense. To this end, in order to strengthen its partnerships, it continues to negotiate with industrial organizations, governments, non-governmental organizations, and especially international organizations and universities in addition to its existing memberships. It also strengthens its dialogue with its supply chain, customers and the local community in which it operates.

PARTNERSHIPS

Soda Sanayii A.Ş. continues to reinforce its sustainability partnerships in line with its areas of activity. On the basis of the current objectives of the partnerships, the general sustainability principles are mainly related to strengthening its corporate capacity in specific areas of sustainability, such as life cycle management and its integration into the work process, data management, gender, inclusivity and diversity, and management of natural resources such as water, land and biodiversity. Soda Sanayii A.Ş. supports these goals through the meeting plans it develops for supply chains, customers and local communities. The aim is to develop and implement a more detailed partnership plan as the actions related to the strategy emerge.

Soda Sanayii A.Ş. fulfills its mission of becoming an international leader in sustainability and its advocate by making contributions to the sector in which it operates.

Throughout the year, Soda Sanayii A.Ş. has shared its approaches and experiences in the production process with its business partners by undertaking the role of host, speaker, active participant or guest in various events, summits and forums held in cooperation with a range of institutions and organizations.

DIVERSITY & INCLUSIVITY

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DIGITAL INTELLIGENCE AND COMMUNITY

SUPPLY CHAIN MANAGEMENT

Soda Sanayii A.Ş. continuously improves the quality of its products, determines the risks that may arise in the supply chain in a timely manner, and manages them within the framework of international standards through the responsible management of its supply chain.

The social, ethical and environmental performance of the suppliers is assessed through audits carried out by Soda Sanayii A.Ş. and areas open to improvement are determined in light of its sustainability approach. Local suppliers are preferred to the largest extent possible in order to contribute to the local economy and grow together with experienced suppliers with whom long-term cooperation is sought.

Soda Sanayii A.Ş.'s priorities include contributing to the country's economy and employment growth when suppliers are selected. Ninety-two percent of the total 6,563 suppliers are made up of local suppliers. In addition to long-term cooperation, new suppliers are also given opportunities to learn and improve together. When choosing its suppliers, whose number reached 356 this year, a set of criteria such as the environmental management system used by the suppliers and the demographic structure of its employees are given as much importance as their financial status and the volume of the investment.

Soda Sanayii A.Ş supports its suppliers' familiarity with its business principles and development. Accordingly, OHS training is provided by the Health, Safety and Environment (HSE) Unit for companies operating within the factory grounds.

Thanks to the Warehouse Management System (SAP-WM), which entered into service in December 2017, the documentation costs of the Kromsan Product Warehouse have been reduced alongside the reduction in operating costs and labor productivity has been increased by ensuring effective monitoring of stocks through electronic environments and devices.



Soda Sanayii A.Ş. employees ranked 1st in Turkey and 4th in the world at The Fresh Connection virtual supply chain competition, an interactive, web-based business simulation which saw 300 teams from over 60 countries competing against each other. Competitors were required to develop strategic and tactical decisions to rescue a virtual company in a difficult financial situation, which helped them gain extensive and practical knowledge on the workings of a supply chain.

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CORPORATE SOCIAL RESPONSIBILITY

With its sustainability approach and commitment to the UN Sustainable Development Goals, Soda Sanayii A.Ş.'s Corporate Social Responsibility program aims to empower local communities, vulnerable groups and its supply chain through data sharing, capacity building, and conservation practices to increase their inclusivity, increase diversity and ensure active participation in sustainable social, economic and environmental solutions through a multi-sector approach. The prioritized target groups are young people, women, and vulnerable groups.

Projects supporting the conservation of the environment and natural resources and raising awareness in this regard have continued at full speed ahead. An area designated by the Regional Directorate of Forestry was planted with trees by approximately 600 employees and their families, as part of the Traditional Sapling Planting event. In addition, the Kazanlı coastline saw a swift and energetic clean-up as part of the Children's Festival (Kite Festival).

We tried to raise young people and children's awareness about the environment through art and cultural activities. Equal participation in these activities was ensured, including vulnerable groups. As part of this work a painting contest for all primary school pupils in Mersin was held for the 16th time, themed around the environment and love for nature. Twenty of the approximately 90 students, among whom were special education pupils, made the grade and were duly rewarded. In addition, we visited the Disabled Children's Theater Club together with our employees to give them support.

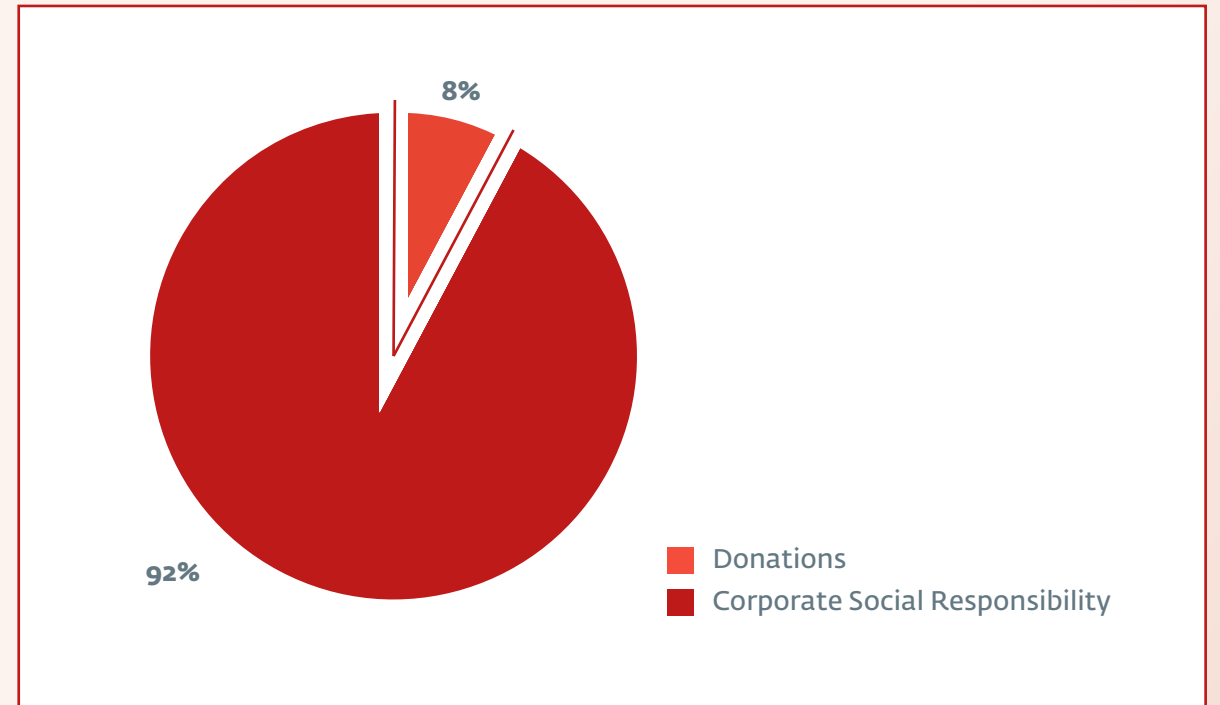
“Children are our future. The active participation of children with learning disabilities in normal life is of great importance to their development. Therefore, we must show all the care we can to ensure they become actively involved in social life, on top of the care we take with their education. In that regard, we are ready to do everything we can as a company.”

Soda Sanayii A.Ş. General Manager
Mehmet Gürbüz

Like in previous years, various corporate social responsibility projects were carried out this year to contribute to the education of students. Six students who made the grade at the Project Festival held by Soda Sanayii A.Ş. at Mersin Organized Industrial Zone to mark the opening of Private Şişecam Vocational and Technical Anatolian High School, built by the Şişecam Group, were rewarded. The initiative for giving scholarships to disadvantaged pensioners who have children studying at universities was continued with the support of employees. We sponsored the Mersin University Science Festival held in June. Financial support was given to Toroslars Elementary and Secondary School through the Soda Sanayii A.Ş. Association of Employees.

At our overseas facilities, we continue to provide support to pensioners as well as employees who are not in good health in cooperation with voluntary employees and the Red Cross.

Distribution of Social Contribution Investments (TL)



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Digital Intelligence and Community

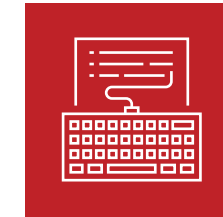
New technologies are developing and transforming rapidly, creating new areas of usage every day. The innovative and creative perspectives of Soda Sanayii A.Ş. employees are constantly consulted to ensure the sustainability of the company's leading role in production in the face of the transformations brought about by Industry 4.0. Soda Sanayii A.Ş sees digitalization as a driving force for social development, and it has been bringing to life new ways of doing business in accordance with the requirements of the age by integrating technology and the use of large data into all its processes. Thus, in addition to ensuring the integration of information technology within the industry, it takes firm steps toward continuous development.

Soda Sanayii A.Ş gives great importance to quality and fast production processes carried out in smart factories in order to create flexible, dynamic and self-organizing production processes as part of the 4th Industrial Revolution.

All studies conducted are recorded in the library in order to prevent data loss for Research and Technology Development projects. By transferring library records to digital media, access to information is facilitated and accelerated contributing to the continuity of information flow.



With the **Soda_Web** program, all factory production processes, important parameters affecting production and energy consumption values can be monitored online. Employees can monitor the program on their mobile phones, granting them access to daily, monthly, annual reports and laboratory analyzes.



The **Soda Simulation**, designed to increase the efficiency of the soda production processes and increase the design precision, shorten the project delivery times and provide process innovation, continues to be developed.

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EFFECTIVE CUSTOMER RELATIONS

Soda Sanayii A.Ş. cares about the satisfaction of its customers, who are also part of society as stakeholders, and develops and executes action plans according to the results of the Customer Satisfaction Survey held at the end of each activity year. Customer satisfaction increased to 86.2% in 2017 according to a survey conducted every two years.

Training and auditing activities are carried out within the scope of the ISO 10002 Customer Satisfaction Management System at production facilities and the competencies of employees are continuously improved to ensure better customer satisfaction. 19.2 hours of training were provided to our employees on customer relationships by the Sales School of Şişecam Academy. Personal and organizational development training programs were organized by the Şişecam Academy for domestic authorized dealers of soda products and chromium chemicals to improve customer experience and loyalty. Attracting great attention and highly popular among employees, the training program continues to be delivered.

Soda Sanayii A.Ş. views feedback from its customers and dealers as valuable inputs for both new products and services and increasing customer satisfaction. It analyzes this feedback thoroughly, thereby improving work processes and consequently contributing to the development of society with new products and services.

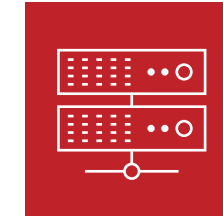
All customer complaints made to Soda Sanayii A.Ş. in 2017 were responded to and resolved.

INFORMATION SECURITY AND CUSTOMER PRIVACY

As a responsible organization striving toward utmost customer satisfaction, Soda Sanayii A.Ş. attaches great importance to the protection of customer data confidentiality. In this respect, it uses the most up-to-date, effective and safe technological infrastructure and provides training to improve employee awareness of data confidentiality.

Issues of common confidentiality and data storage in business contracts with customers are secured in line with ISO 27001 Data Security Management System certification and possible violations are avoided. Studies to improve digital and cyber security continue, while the Security Route Map 2018-2020 was released as part of system improvements to control access to the database and ensure the security of the data.

In 2017, there were no cases of violation of customer privacy and no complaints were received.



Within the scope of our digital transformation project, Soda Sanayii A.Ş. corporate website sisecamkimyasallar.com has been renewed to improve user experience through the integration of the newest technologies. For the face-lift given to its brand-new website, the company was presented the **Award of Distinction** in the category of “Professional Web Page Services” at the Academy of Interactive and Visual Arts’ Communicator Awards, one of the most prestigious platforms in the field of communications.



PROGRESS

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INTEGRATION OF LOW-CARBON APPROACH
CLIMATE NEUTRAL 360° CIRCULARITY MODEL

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CLIMATE NEUTRAL 360° CIRCULARITY MODEL

PROGRESS

Soda Sanayii A.Ş. is committed to PROGRESS through the climate-neutral 360° circular model, which includes but is not limited to the sustainable use of energy and natural resources, digitalization, and innovation, while encouraging and enabling the equal participation of women and vulnerable communities.

Soda Sanayii A.Ş. fulfills its commitment to become an active player in integrating its anti-climate change efforts and cyclical models into all its activities through its PROGRESS approach.

The company's medium and long-term vision is to establish an enabling environment as a champion of corporate heritage and to operate climate-neutral 360o circular models.

While achieving its own goals within the scope of its PROGRESS approach, Soda Sanayii A.Ş. contributes to Şişecam Group's goal for 2022 listed below:



**By 2022, 12 MW energy provided
through renewable energy sources**

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An Active Solution Partner for Climate Change

Climate change continues to affect our lives in many ways, from extreme weather to the reduction of natural resources, and such impacts and effects are expected to increase in the long run. Soda Sanayii A.Ş. believes that it can solve climate change, one of the greatest global problems of our age, only through effective business partnership networks. In this sense, it attaches importance to being an effective solution partner acting in cooperation with individuals, the private sector, public institutions, international institutions and non-governmental organizations.

One of Soda Sanayii A.Ş.'s priorities is to manage the risks of climate change in the short and long run through adjustment policies. Şişecam, regularly shares its climate change strategy and performance under the Carbon Disclosure Project in order to disclose its priorities and the steps it takes in a transparent way.

An application was made to the General Directorate of Renewable Energy for our efficiency improvement project as required by Act 5627 on Energy Efficiency and within the framework of funds earmarked for that purpose. Work to heat natural gas with steam was brought to life within the scope of the above-mentioned project and an energy saving of 2,500 MWh per year has been achieved, with the project receiving a grant covering 30% of the total cost.

“

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Integration of Low-Carbon Approach

At all of Soda Sanayii A.Ş.' facilities energy efficiency projects and carbon emissions are managed effectively to contribute to Şişecam Group's carbon reduction targets.

Energy is an important production input for Soda Sanayii A.Ş., which operates in an industry heavily reliant on energy. Hence why Soda Sanayii A.Ş. constantly evaluates the risks and opportunities related to energy and manages its operations accordingly.

In addition to efficiency projects carried out in order to use energy in a sustainable way, renewable energy sources are evaluated and integrated into Soda Sanayii A.Ş.'s activities.

Studies to determine and implement the roadmap for a sustainable energy supply, renewable energy sources applications, and energy efficiency projects are carried out by the Şişecam Group Sustainability Directorate.

Major energy consumption items are monitored instantaneously and improvements are made on process performance through a **Sustainable Energy Measurement Monitoring System (SEÖİS)**.

Soda Sanayii A.Ş. carries out its production activities at high temperatures. For this reason, a continuous supply of energy is of great importance for the continuity of production processes. In a sector where there is a high demand for energy, Soda Sanayii A.Ş. meets its need for steam energy from its Cogeneration Plant with an electricity generation capacity of 126.1 MW. This year, 2 million tons of steam production and 4 million GJ of electricity sales were realized.

With projects involving the renovation and optimization of equipment used in its factories, Soda Sanayii A.Ş. achieved 86,000 GJ of energy savings and 1.3 million TL worth of financial savings this year. Meanwhile, carbon savings amounted to 1,325 tons. Next year, Soda Sanayii A.Ş. aims to reduce the consumption of steam and save about 165,000 GJ of energy through planned improvements to the production processes at factories.

Soda Sanayii A.Ş. is working to achieve the goal of reducing greenhouse gas emission intensity by at least 5% compared to 2017, one of the 2022 targets of the Group.

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Climate Neutral 360° Circularity Model

In the medium and the long run, Soda Sanayii A.Ş. aims to implement climate-neutral 360o circular models into the operations at its factories. In this framework, it continues to make improvements by means of adopting the best possible technologies and continuously evaluating its performance. It adopts a model extending from its facilities to its customers with innovative and environmentally friendly products and solutions developed throughout the process.

TECHNOLOGY AND INNOVATION

Technology and innovation lie at the heart of Soda Sanayii A.Ş.'s efforts to implement the targeted circular model. It operates with full awareness of the fact that Research and Technological Development (RTD) efforts are one of the most important components of a company's ability to engage in global competition both in the present and the future. It is an important actor in global competition thanks both to the practices it implements in this framework and its products.

Soda Sanayii A.Ş.'s RTD activities are conducted in close liaison with Şişecam Group's Science and Technology Center and with regional laboratories which function within this structure. Apart from the Research and Technology Development Center at its Headquarters, Soda Sanayii A.Ş. has its own Research and Technology Development Center where 17 people are employed. At the Development Center in Mersin founded within the scope of the Chemicals Development Directorate, representative of Şişecam's Research and Technological Development activities in the chemical sector, projects are being carried out in process design, new product development, leather chemicals, analytical techniques, energy efficiency and environmental protection. With the works carried out so far at the headquarters, the company aims to acquire the most advanced technology in the production of soda and chromium compounds. In this context, new process models are raising productivity by increasing efficiency and unique environmental processes are being developed in the production of soda and chromium compounds, setting examples for other manufacturers in the global market, while original products used in leather tanning are also being developed. Each year, it reviews its strategies through a process actively supported by the of Research and Technological Development Department and Strategy Department. In addition, most of the projects carried out in the Center benefit from the TÜBİTAK Technology and Innovation Support Programs Presidency's (TEYDEB) Industrial R&D Projects Support Program.

Tuzla Leather Application Laboratory, which is affiliated with the Directorate of Development and Quality, continues to work on the application of chrome chemicals on leather. In the laboratory, customer requests from domestic and foreign countries are processed and product development and improvement studies are carried out on leather. Work continues at the Leather Application Lab to train up the leather production experts which Soda Sanayii A.Ş. needs as one of the main suppliers in the leather sector.

The company aims at developing low-cost technologies that will reduce the environmental impact from the production of soda and chromium compounds this year, as in previous years. As part of this work, the product portfolio was enhanced through new products with a high added value, while projects increasing productivity were launched. New product research, the use of alternative raw materials, and the development of analysis methods and process modeling activities continued in the soda product group. In order to increase process and product quality in the chrome products group, existing analysis methods were examined and revised. Laboratory and preliminary experiments are being carried out to develop new leather chemicals.

2017 Research Technology Development Activities

Soda Product Group	Chrome Product Group	Other Areas of Activity
<ul style="list-style-type: none"> • Research on new products • Use of alternative raw materials • Development of analysis methods • Process modeling 	<ul style="list-style-type: none"> • Process and product quality development 	<ul style="list-style-type: none"> • Development of new leather chemicals



- ✓ Environmental impact is minimized
- ✓ Low cost technologies are being developed
- ✓ Productivity is increased through products with a high added value

With the RTD **Tankrom EU Production Efficiency Enhancement Project** to improve production processes, the parameters that affect the production efficiency of Tankrom AB, the most frequently used basic chromium sulphate (BCS) in the world for leather tanning, were examined and improvements were made. Thanks to the **Tankrom SB Production Process Improvement Project**, a new process was developed that reduces organic impurities present in Tankrom SB, another BCS product of Soda Sanayii A.Ş., **more than international standards**. Laboratory, pilot and enterprise-scale trials were completed opening the way for the investment stage. Methods were examined for **increasing the efficiency of the process of converting chromite minerals**, the most important raw material used at the Kromsan Chromium Compounds Plant, **into a product**. Accordingly, a method was developed to provide approximately 5% improvement in chromite consumption with laboratory and enterprise-scale tests. The project is still in the investment stage.

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INNOVATIVE PRODUCTS

In order to become a solution partner for climate change, Soda Sanayii A.Ş. aims to minimize its energy consumption by developing new, innovative and eco-friendly products that meet the needs of its customer in all its areas of activity. In addition to the innovative solutions developed for business processes, it continues to create value in its area of influence through the new products it develops.

Soda San. A.Ş.' soda products (light soda and heavy soda) stand out as an input that significantly reduces the energy consumption of ovens in glass production. With the use of soda, the melting temperature is reduced and energy savings of 8-10% are achieved.

Aware of its responsibilities as a leader in chrome chemicals, Soda Sanayii A.Ş. minimizes the impact of leather sector on the environment by using the tanning material ecol-tan offered to customers in the leather sector. With **ecol-tan** which has a high chromium uptake with different tanning processes other than conventional tanning, the chromizing efficiency is increased to 98% and the level of chromium oxide in waste water is reduced below 1g/l. In addition, the formation of salt-containing waste whose treatment is a major problem and which causes environmental pollution is prevented, and the environmental impact of the leather tanning process is also reduced.

With the **Development of Tervalent Chromium Compounds for Use in Surface Treatments Project** to diversify activities related to chromium chemicals, the goal is to develop specific chromium chemicals and offer them to customers. As an alternative to the chromium VI compounds used in surface treatments, the environmental impact is lessened by accelerating the development and production of chrome III chemicals. In this context, chrome nitrate, chromium chloride, chromium hydroxide nitrate and chromium hydroxy chloride developed through RTD projects are offered to customers. In addition, research is being carried out to further increase the added value of these products.

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PERFORMANCE INDICATORS

Environmental Performance Indicators

Energy Consumption (GJ)	2015	2016	2017
Natural Gas	26.034.300	23.263.100	15.071.333
Electricity	759.000	360.800	418.001
Anthracite/Coal	3.203.100	4.497.700	12.086.410
Other	46.700	14.000	3.675
Total Energy	30.043.100	28.135.700	27.579.418

Green House Gas Emissions -GHGs (ton CO ₂)	2015	2016	2017
SCOPE 1	1.731.200	1.804.500	1.913.368

Total GHG reduction (Ton CO ₂)	2015	2016	2017
	10.013	25.921	1.325

Air emissions (kg)	2015	2016	2017
NOx	936.421	854.131	1.349.603
SOx	402.444	40.656	432.692

Energy Saving	2015	2016	2017
Total Energy Saving (GJ)	154.304	592.510	85.884

	2015	2016	2017
Environmental fines (TL)	-	-	-
Environmental Investments and Expenditures (TL)	21.705.730	28.583.245	30.217.603

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Water consumption (m³)	2015	2016	2017
Municipal Water	49.763	15.565	16.051
Surface Water (Lake, Sea, Oceans etc.)	13.363.120	10.956.643	12.415.345
Ground water	11.223.372	12.070.917	9.501.410
Other	58.397	51.000	71.420

	2015	2016	2017
Amount of Recycled/Reused Water (m³)	92.200	1.752.000	1.927.200
Amount of Water Discharge (m³)	7.385.733	5.936.043	5.383.705

Amount of Waste (ton)	2015	2016	2017
Amount of Hazardous Waste	3.453	4.242	1.721
Sent to Landfill	1.038.053	902.783	1.160.021
Recycled (paper, plastics, glass etc.)	128	5.309	3.518
Recovered for energy (waste vegetable oil etc.)	294	468	483

Economic Performance Indicators

Operational and Financial Information (bin TL)	2015	2016	2017
Total revenue	1.771.758	2.067.701	2.451.292
Operational Expenditure (E.g. Employee wages and benefits, payments to providers of capital, taxes etc.)	763.291	1.224.391	1.259.888
Operations costs	155.227	257.003	373.635
Tax expenses	71.741	80.006	56.876
Paid dividends	156.000	330.000	277.000
Cash	60.000	240.000	200.000
Free of charge	96.000	90.000	77.000
Paid taxes	118.120	104.889	131.177
Employee salaries and side benefits	106.203	122.492	144.201
Community investments	210	240	260
Donations	47	324	20

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INTEGRATION OF LOW-CARBON APPROACH
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Social Performance Indicators

Number of Employees	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
Total number of employees	46	880	46	916	46	914

Number of employees by category	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
White collar	45	384	45	383	45	376
Blue collar	1	496	1	533	1	538
Employees under collective labour agreements	1	496	1	533	1	538

Number of employees by contract type	2015		2016		2017	
	Uncont.	Cont.	Uncont.	Cont.	Uncont.	Cont.
Total number of employees	926	0	962	0	960	0
White collar	429	0	428	0	421	0
Blue collar	497	0	534	0	539	0

Number of Subcontracted employees	2015		2016		2017	
	Full time	Part time	Full time	Part time	Full time	Part time
	570	0	581	0	645	0

Number of Employees by age	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
New employee hires	3	51	3	72	5	37
Over 50 years	0	0	0	0	0	0
Between 30- 50 years	0	11	0	18	1	12
Below 30 years	3	40	3	54	4	25

Employee turnover rate	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
Total number of employees who left work	3	29	0	38	5	41
Over 50 years	0	13	0	17	0	16
Between 30- 50 years	2	13	0	14	3	21
Below 30 years	1	3	0	7	2	4

Yıllara Göre Çalışan Sayısı	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
Number of employees working 0-5 years	30	360	30	405	32	426
5-10 years	30	586	22	537	22	399
10 years and over	28	769	36	846	34	961

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	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
Number of employees entitled to parental leave	2	79	3	65	4	77
Number of employees returned to work after parental leave ended	2	75	3	62	4	75

Average hours of training per employee	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
Total hours	1,6	2,4	12,2	58943	7222	51510
Blue Collar	0,2	0,4	3,4	35551	1821	27058
White Collar	3,2	5,0	23,5	23460	7189	24545

Diversity and equal opportunity	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
Number of employees in Board of Directors	1	9	1	9	1	9
Number of disabled employees	0	22	0	25	0	26

OHS Data	2015		2016		2017	
	Female	Male	Female	Male	Female	Male
Employees of Şişecam						
Number of accidents	-	22	-	30	-	19
Absentee rate	-	488	-	460	-	403
Injury rate (IR)	-	12	-	16	-	10
Lost day rate (LDR)	-	258	-	246	-	215
Subcontracted employees						
Number of accidents seen in subcontractors	-	36	-	63	-	35
Injury rate in subcontractors (IR)	-	34	-	57	-	31

OHS Trainings	2015	2016	2017
Percentage of training hours devoted to OHS	89,5	72,4	58,2

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GRI İÇERİK ENDEKSİ



GRI Standard	Disclosure	Page Number/Link	Omission Reason
GRI 101: Foundation 2016			
General Disclosures			
GRI 102: General Disclosure 2016	Organizational Profile	-	-
	102-1	2	-
	102-2	6	-
	102-3	http://www.sisecamkimyasallar.com/en/investor-relations-soda-sanayii-as/corporate-identity-and-management/trade-registry-information	-
	102-4	8	-
	102-5	http://www.sisecamkimyasallar.com/en/investor-relations-soda-sanayii-as/corporate-identity-and-management/shareholder-structure	-
	102-6	9	-
	102-7	9	-
	102-8	46	-
	102-9	35	-
	102-10	None	-
	102-11	13	-

GRI Standard	Disclosure	Page Number/Link	Omission Reason
	102-12	16	-
	102-13	17	-
	Strategy	-	-
	102-14	3-5	-
	102-15	13	-
	Ethics and Integrity	-	-
	102-16	14	-
	102-17	14	-
	Governance	-	-
	102-18	12	-
	102-19	12	-
	102-20	12	-
	102-21	16	-
	102-29	10-11	-
	102-30	13	-
	102-31	13	-
	102-32	13	-

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GRI Standard	Disclosure	Page Number/Link	Omission Reason
	Stakeholder Engagement	-	-
	102-40	16	-
	102-41	45	-
	102-42	16	-
	102-43	16	-
	102-44	15	-
	Reporting Practices	-	-
	102-45	2	-
	102-46	2	-
	102-47	15	-
	102-48	None	-
	102-49	10	-
	102-50	2	-
	102-51	http://www.sisecamkimyasallar.com/sites/catalogs/en/Documents/surdurulebilirlik-raporlari/soda_sanayii_eng_2016.pdf	-
	102-52	Annual reporting	-

GRI Standard	Disclosure	Page Number/Link	Omission Reason
	102-53	2	-
	102-54	2	-
	102-55	47-50	-
	102-56	No external assurance	-
GRI 200: Economic Standard Series			
Economic Performance			
GRI 103: Management Approach 2016	103-1	10-11	-
	103-2	10-11	-
	103-3	10-11	-
GRI 201: Economic Performance 2016	201-1	44-45	-
GRI 300: Environmental Standard Series			
Energy			
GRI 103: Management Approach 2016	103-1	39-41	-
	103-2	39-41	-
	103-3	39-41	-

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GRI Standard	Disclosure	Page Number/Link	Omission Reason
GRI 302: Energy 2016	302-1	43	-
	302-4	43	-
Water			
GRI 103: Management Approach 2016	103-1	19-24	-
	103-2	19-24	-
	103-3	19-24	-
GRI 303: Water 2016	303-1	44	-
	303-3	44	-
Emissions			
GRI 103: Management Approach 2016	103-1	19-24	-
	103-2	19-24	-
	103-3	19-24	-
GRI 305: Emissions 2016	305-1	43	-
	305-5	43	-
	305-7	43	-

GRI Standard	Disclosure	Page Number/Link	Omission Reason
Effluents and Waste			
GRI 103: Management Approach 2016	103-1	19-24	-
	103-2	19-24	-
	103-3	19-24	-
GRI 306: Effluents and Waste 2016	306-2	44	-
Environmental Compliance			
GRI 103: Management Approach 2016	103-1	22	-
	103-2	22	-
	103-3	22	-
GRI 307: Environmental Compliance 2016	307-1	43	-
GRI 400: Social Standard Series			
Employment			
GRI 103: Management Approach 2016	103-1	27-30	-
	103-2	27-30	-

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GRI Standard	Disclosure	Page Number/Link	Omission Reason
	103-3	27-30	-
GRI 401: Employment 2016	401-1	46	-
	401-2	27	-
	401-3	45	-
Occupational Health and Safety			
GRI 103: Management Approach 2016	103-1	31	-
	103-2	31	-
	103-3	31	-
GRI 403: Occupational Health and Safety 2016	403-2	47	-
Training and Education			
GRI 103: Management Approach 2016	103-1	33	-
	103-2	33	-
	103-3	33	-
GRI 404: Education and Training 2016	404-1	47	-

GRI Standard	Disclosure	Page Number/Link	Omission Reason
	404-2	33	-
Diversity and Equal Approach			
GRI 103: Management Approach 2016	103-1	29	-
	103-2	29	-
	103-3	29	-
GRI 405: Diversity and Equal Approach 2016	405-1	47	-